Berkel

The Choice of Experience

Catalog of Replacement parts

FMS60 Quart Mixer

ML-134493
ML-141003

EFFECTIVE JULY 2009

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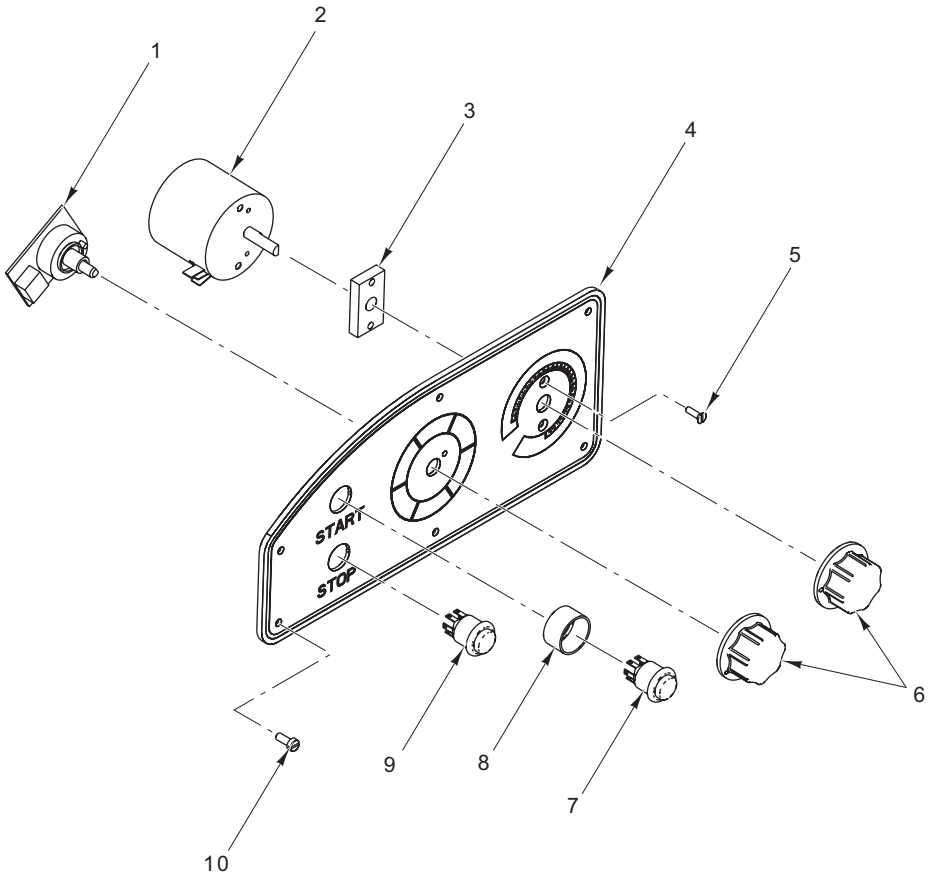
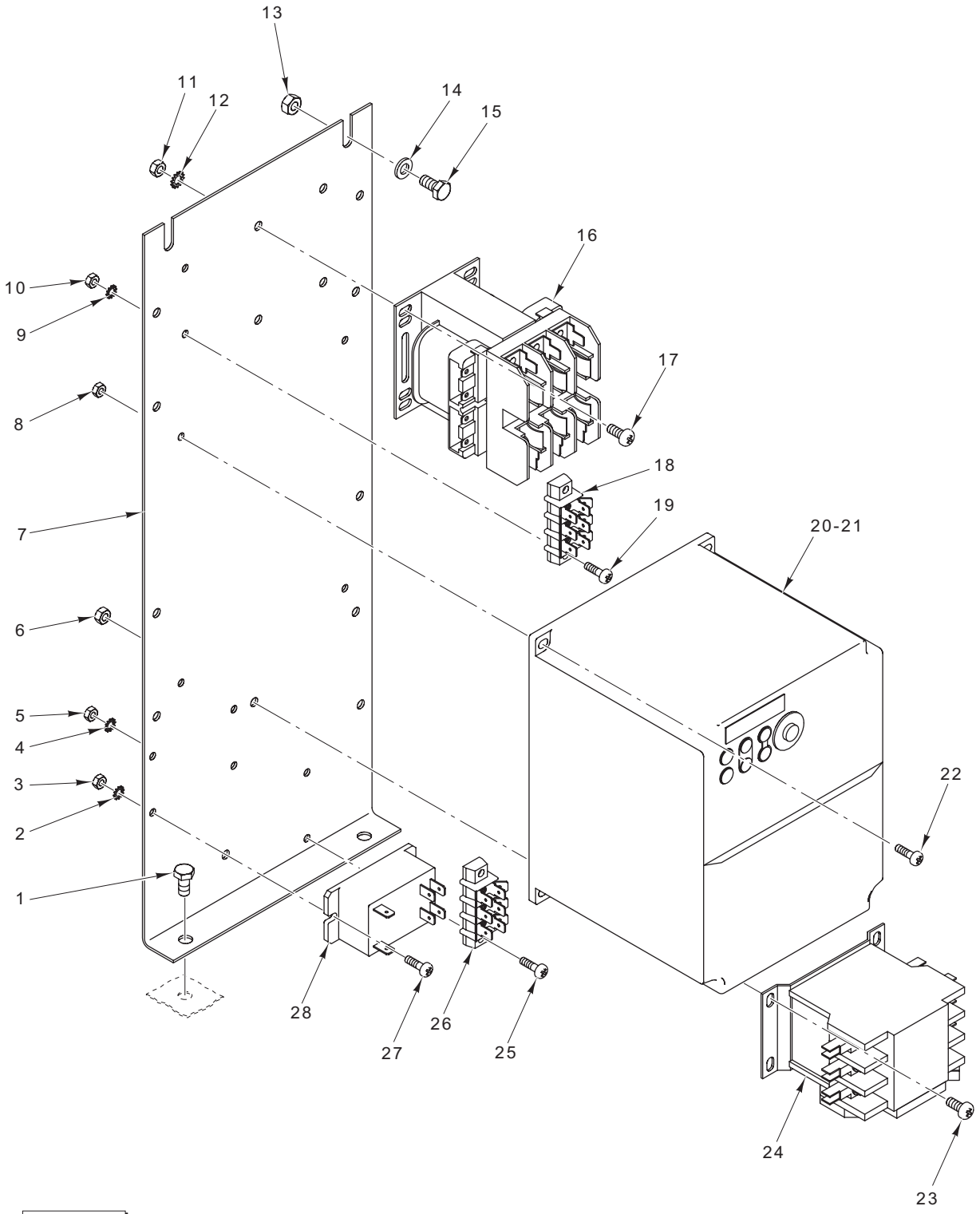


PL-59092

CONTROL PANEL

ILLUS. PL-59092	PART NO.	NAME OF PART	AMT.
1	00-917354	PCB Assy – Speed Select	1
2	00-916988-00006	Timer Assy. (180-250 V., 60 Hz.)	1
3	00-916938	Spacer – Timer	1
4	00-917475-00001	Panel – Operator (Red)	1
5	SC-022-72	Mach. Screw 5-40 x $^{7}/_{16}$ Slotted Flat Hd. (SST)	2
6	00-917141	Knob – Control	2
7	00-917447	Switch – Start	1
8	00-917446	Guard – Switch	1
9	00-917448	Switch – Stop	1
10	SC-120-61	Mach. Screw M4 x 0.7 x 10mm Slotted Cheese Hd.	6

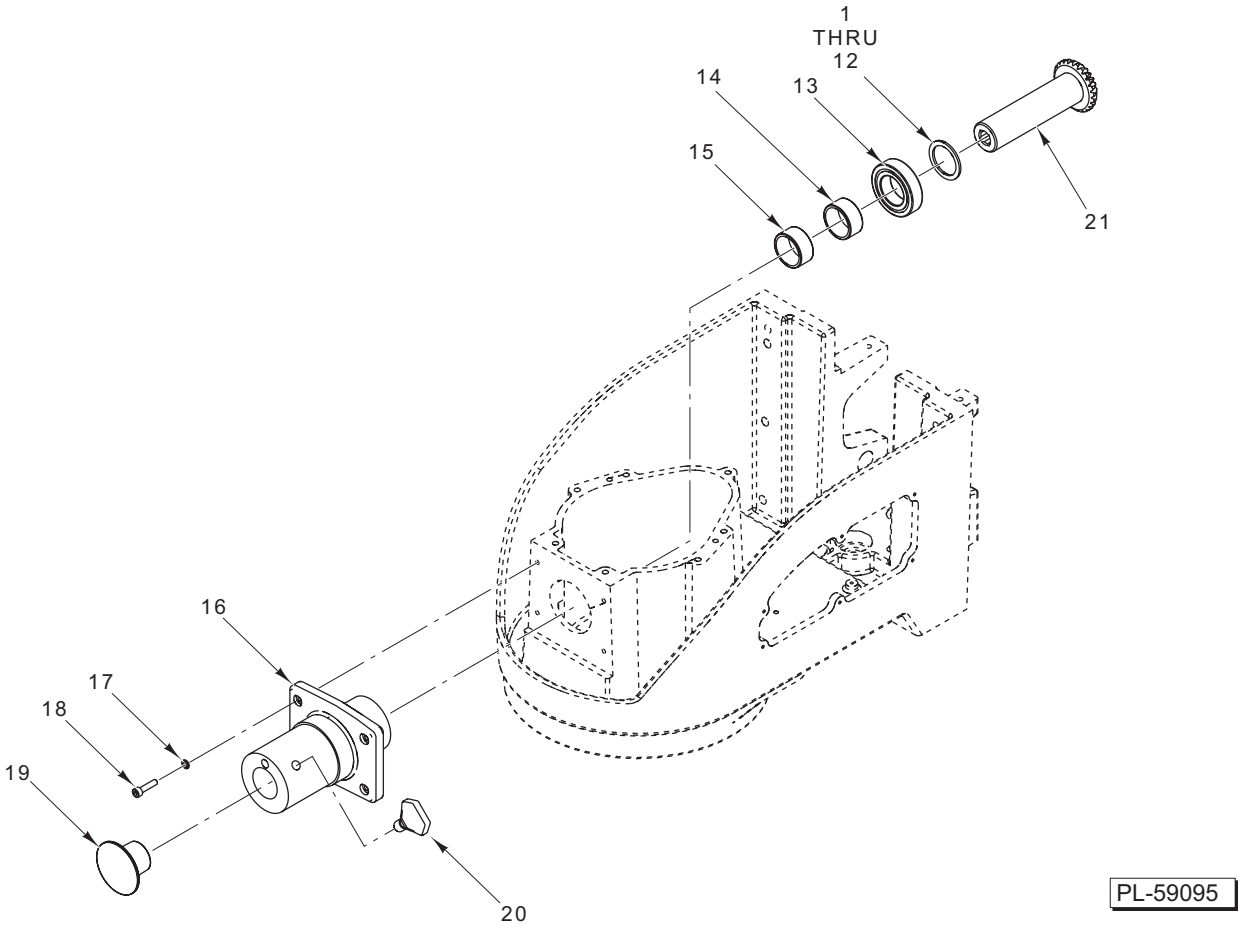


PL-59094

ELECTRICAL COMPONENTS

ELECTRICAL COMPONENTS

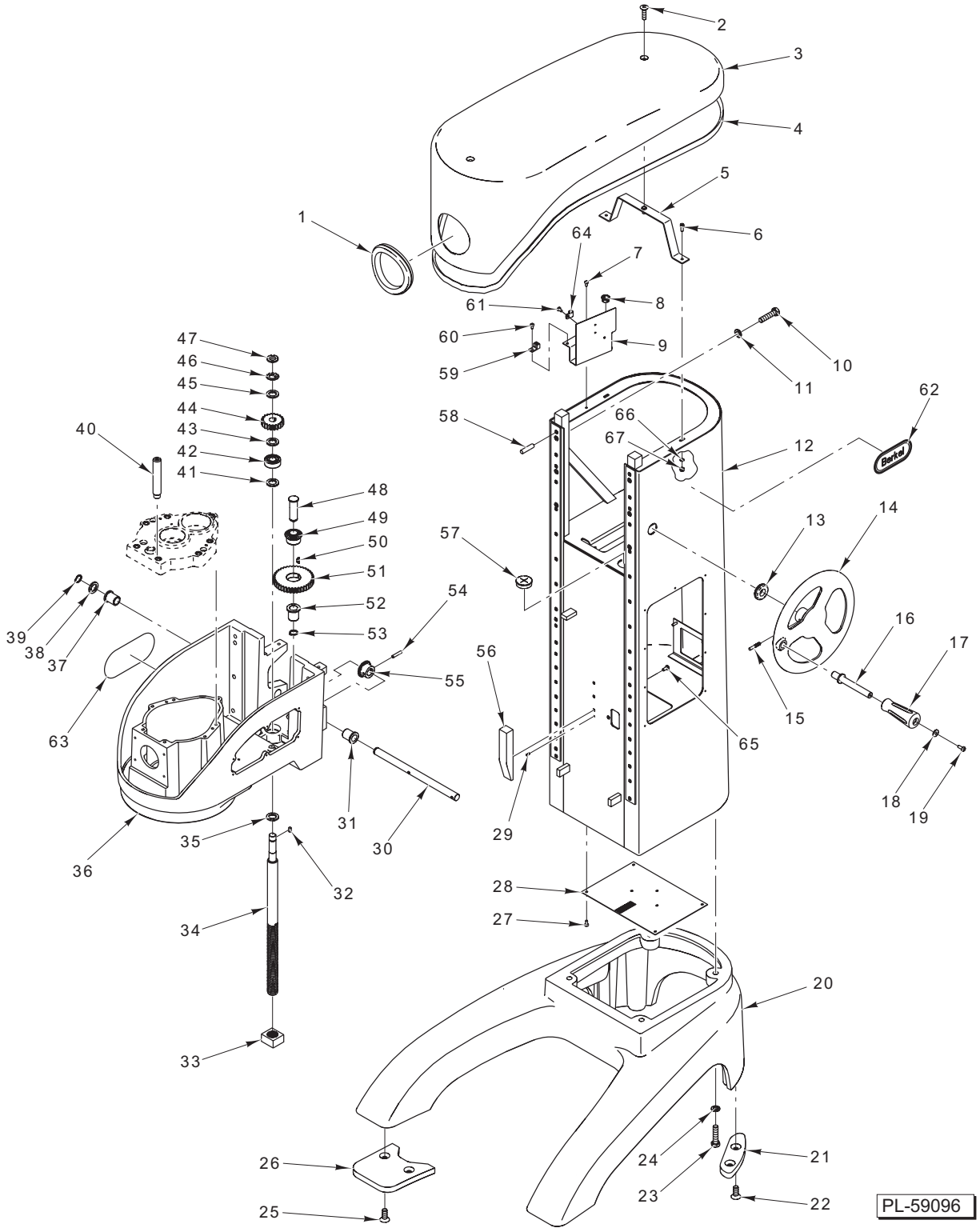
ILLUS. PL-59094	PART NO.	NAME OF PART	AMT.
1	SC-125-09	Mach. Screw M6 x 1.0 x 12mm Hex Hd.	2
2	WL-019-81	Lockwasher M4 (SST)	2
3	NS-047-48	Nut M4 x 0.7 Hex	2
4	WL-019-81	Lockwasher M4 (SST)	2
5	NS-047-48	Nut M4 x 0.7 Hex	2
6	NS-047-49	Nut M5 x 0.8 Hex	4
7	00-917601	Plate – Controller Mounting	1
8	NS-047-48	Nut M4 x 0.7 Hex	4
9	WL-019-81	Lockwasher M4 (SST)	2
10	NS-047-48	Nut M4 x 0.7 Hex	2
11	NS-047-49	Nut M5 x 0.8 Hex	4
12	WL-019-69	Lockwasher (SST)	4
13	NS-047-50	Nut M6 x 1.0 Hex	2
14	WS-031-17	Washer (SST)	2
15	SC--125-09	Mach. Screw M6 x 1.0 x 12mm Hex Hd.	2
16	00-294500-032-1	Transformer (50 VA) (ML-141003)	1
17	SC-128-15	Mach. Screw M5 x 0.8 x 12mm Phil. Pan Hd.	4
18	00-916269	Block – Terminal 1/4 QC	1
19	SC-128-14	Mach. Screw M4 x 0.7 x 14mm Phil. Pan Hd.	2
20	00-917581	Controller (400-460 V., 50-60 Hz., 3 Ph.) (ML-141003)	1
21	00-917580	Controller (200-240 V., 50-60 Hz., 3 Ph.) (ML-134493)	1
22	SC-128-14	Mach. Screw M4 x 0.7 x 14mm Phil. Pan Hd.	4
23	SC-128-15	Mach. Screw M5 x 0.8 x 12mm Phil. Pan Hd.	4
24	00-087713-107-1	Contactor	1
25	SC-128-14	Mach. Screw M4 x 0.7 x 14mm Phil. Pan Hd.	2
26	00-916269	Block – Terminal 1/4 QC	1
27	SC-128-14	Mach. Screw M4 x 0.7 x 14mm Phil. Pan Hd.	2
28	00-087714-042-3	Relay (2-Pole) (240 VAC Coil)	1



ATTACHMENT HUB

ATTACHMENT HUB

ILLUS. PL-59095	PART NO.	NAME OF PART	AMT.
1	00-061920-00001	Washer – Thrust (0.076)	AR
2	00-061920-00002	Washer – Thrust (0.079)	AR
3	00-061920-00003	Washer – Thrust (0.082)	AR
4	00-061920-00004	Washer – Thrust (0.085)	AR
5	00-061920-00005	Washer – Thrust (0.088)	AR
6	00-061920-00006	Washer – Thrust (0.091)	AR
7	00-061920-00007	Washer – Thrust (0.094)	AR
8	00-061920-00008	Washer – Thrust (0.097)	AR
9	00-061920-00009	Washer – Thrust (0.100)	AR
10	00-061920-00010	Washer – Thrust (0.103)	AR
11	00-061920-00011	Washer – Thrust (0.106)	AR
12	00-061920-00012	Washer – Thrust (0.070)	AR
13	BB-013-03	Bearing – Thrust Ball (1 3/8)	1
14	BN-002-06	Bearing – Needle 1 3/8	1
15	BN-002-06	Bearing – Needle 1 3/8	1
16	00-917421-00002	Hub – Attachment	1
17	WL-020-12	Lockwasher M6 Helical	4
18	SC-130-60	Cap Screw M6 x 1.0 x 25mm Hex Socket Hd.	4
19	00-917322	Plug – Attachment (Black)	1
20	00-108197-00001	Screw – Thumb (1 1/8)	1
21	00-917513	Pinion – Bevel Attachment Hub	1

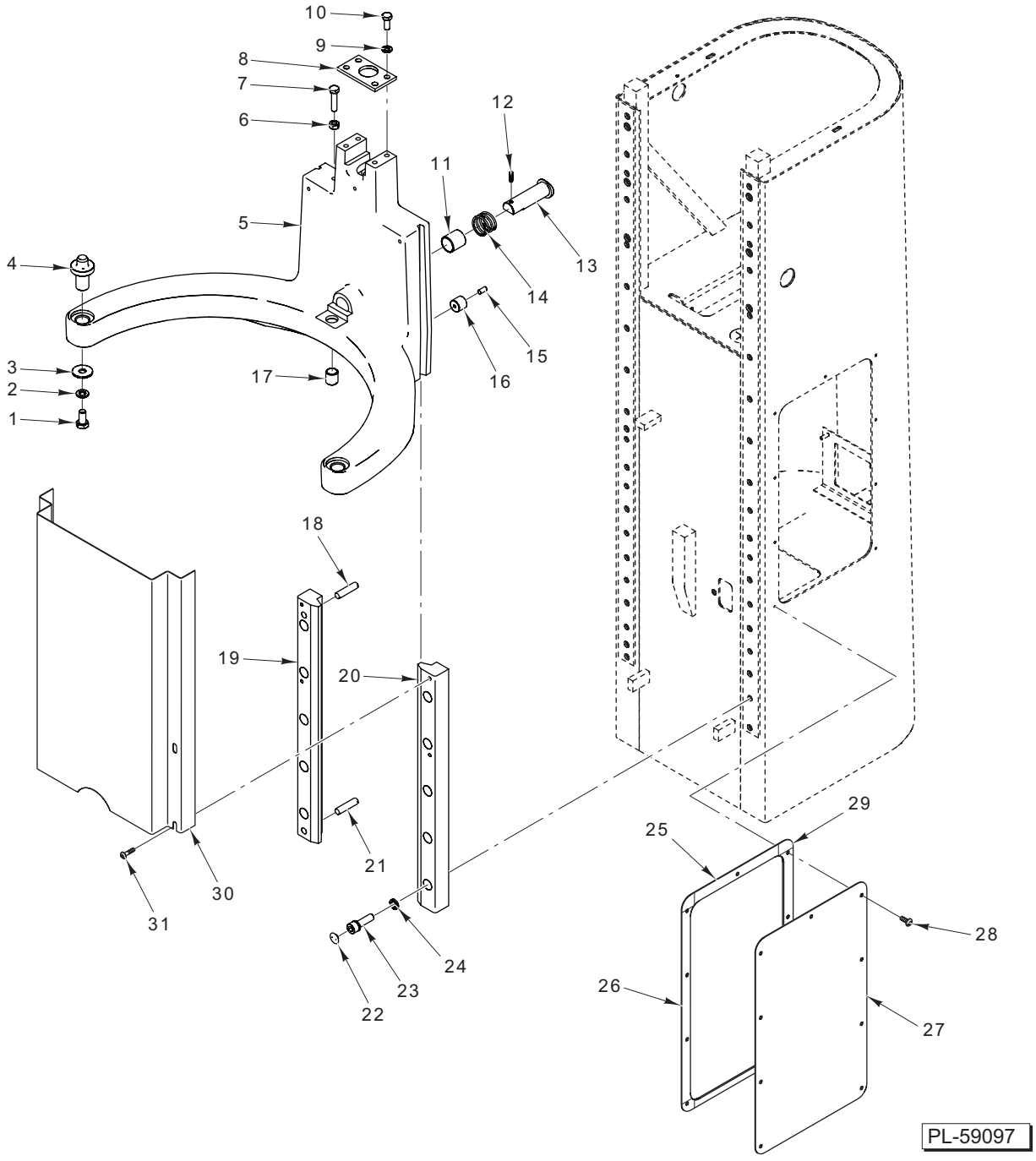


BASE AND PEDESTAL

ILLUS. PL-59096	PART NO.	NAME OF PART	AMT.
1	00-917128	Grommet – Attachment Hub	1
2	SC-120-29	Mach. Screw 1/4-20 x 1 Phil Oval Hd	1
3	00-917470-00001	Cover – Top (With Hub)	1
4	00-874925-00010	Seal – Neopreme	1

BASE AND PEDESTAL (CONT.)

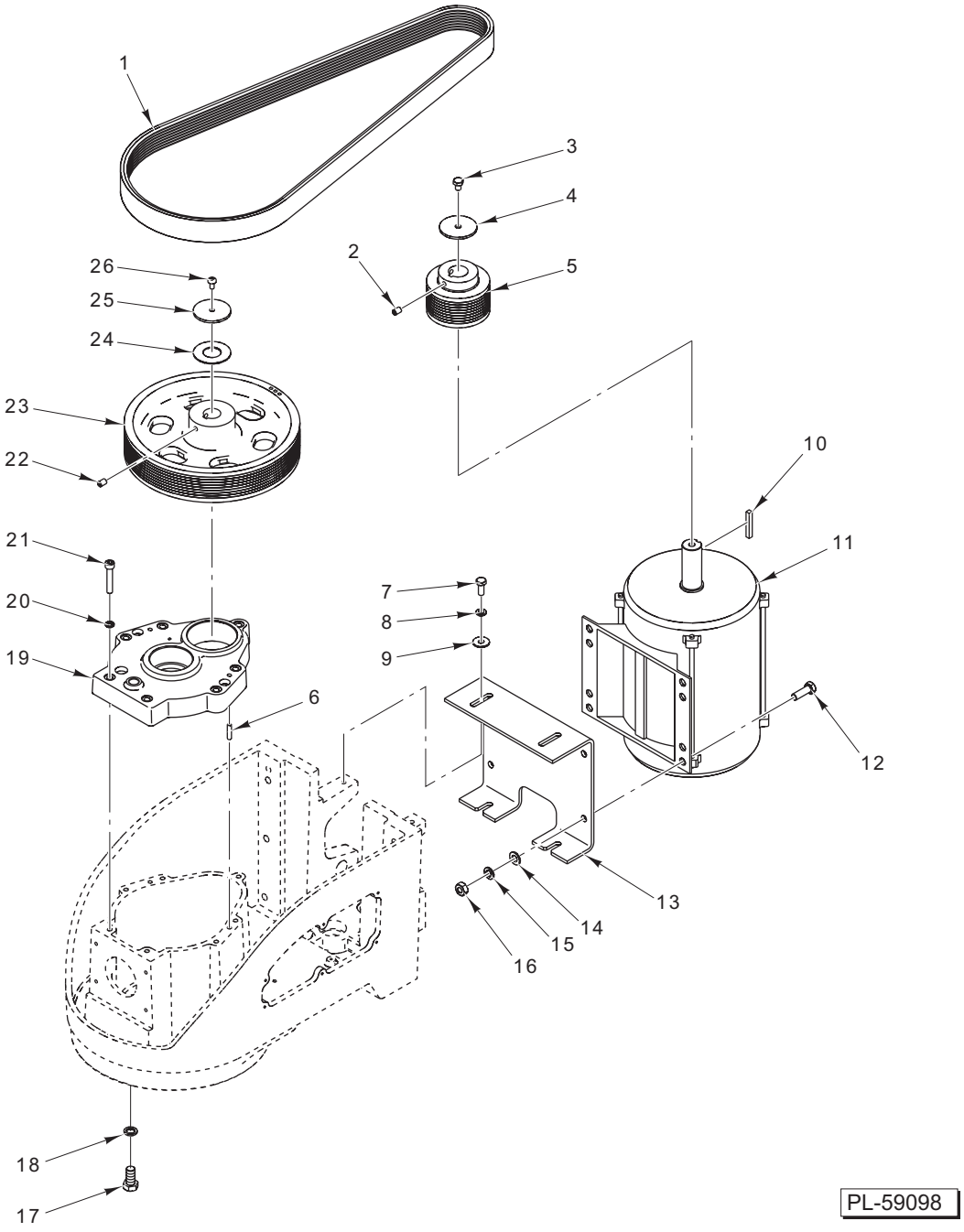
ILLUS. PL-59096	PART NO.	NAME OF PART	AMT.
5	00-917623	Strap – Insert Top Cover	1
6	SC-130-17	Mach. Screw M6 x 1.0 x 16mm Phil. Pan Hd.	2
7	SD-038-68	Self-Tapping Screw M5 x 0.8 x 10mm Phil. Pan Hd. Type TT	1
8	FE-021-13	Bushing – Electric Split	1
9	00-917766	Shield – Wiring	1
10	SC-130-71	Cap Screw M12 x 1.75 x 50mm Hex Hd.	6
11	WL-020-15	Lockwasher M12 Helical	6
12	00-917455	Pedestal	1
13	00-917641	Grommet – Bowl Lift	1
14	00-917548-00002	Handwheel	1
15	00-937063	Pin	1
16	00-917550	Axle – Handle	1
17	00-917549	Handle – Handwheel	1
18	WS-030-43	Washer (SST)	1
19	SC-130-49	Mach. Screw M6 x 1.0 x 16mm Slotted Pan Hd.	1
20	00-917412-00002	Base	1
21	00-917583	Pad – Rear Foot	2
22	SC-130-92	Cap Screw M12 x 1.75 x 30mm Hex Flat Hd.	4
23	SC-130-71	Cap Screw M12 x 1.75 x 50mm Hex Hd.	4
24	WL-020-15	Lockwasher M12 Helical	4
25	SC-130-92	Cap Screw M12 x 1.75 x 30mm Hex Flat Hd.	4
26	00-917582	Pad – Front Foot	2
27	SC-128-15	Mach. Screw M5 x 0.8 x 12mm Phil. Pan Hd.	4
28	00-917479	Screen – Pedestal Bottom	1
29	RP-006-47	Pin – Roll (5mm)	1
30	00-917551	Shaft – Handwheel	1
31	00-917621	Bearing – Handwheel Shaft	1
32	00-917496-00017	Key – Metric	1
33	00-917487	Nut – Bowl Lift Screw	1
34	00-917488	Screw – Bowl Lift	1
35	WS-031-65	Washer	1
36	00-917429-00002	Case – Transmission	1
37	00-917621	Bearing – Handwheel Shaft	1
38	WS-031-65	Washer	1
39	RR-011-90	Ring – Retaining	1
40	00-917590	Stand Off – Front	1
41	WS-031-65	Washer	1
42	BB-005-30	Bearing – Ball	1
43	WS-031-65	Washer	1
44	00-917532	Pinion – Driven Bowl Lift	1
45	WS-031-65	Washer	1
46	WL-020-16	Lockwasher	1
47	NS-049-21	Lock Nut M17 x 1.0	1
48	00-917536	Shaft – Miter Gear Stub	1
49	00-917534	Gear – Bowl Lift	1
50	00-917606	Key – Woodruff	1
51	00-917533	Gear – Driver Bowl Lift	1
52	00-024603	Bearing – Handwheel	1
53	RR-011-90	Ring – Retaining	1
54	RP-006-46	Pin – Roll (6mm)	1
55	00-917535	Gear – Bowl Lift	1
56	00-917666	Ramp – Pin Slide	1
57	FE-026-28	Bushing – Electric Snap	1
58	00-917595-00001	Dowel	2
59	00-118544-00001	Lug – Solderless	1
60	SD-038-68	Self-Tapping Screw M5 x 0.8 x 10mm Phil. Pan Hd. Type TT	1
61	SD-038-68	Self-Tapping Screw M5 x 0.8 x 10mm Phil. Pan Hd. Type TT	1
62	00-916992	Logo – Berkel (Small)	1
63	00-917341	Logo – Berkel (Large)	1
64	00-078752-00003	Clamp – Cable	1
65	SC-125-09	Mach. Screw M6 x 1.0 x 12mm Hex Hd.	2
66	WL-020-12	Lockwasher M6 Helical	2
67	NS-047-50	Nut M6 x 1.0 Hex	2



BOWL SUPPORT

BOWL SUPPORT

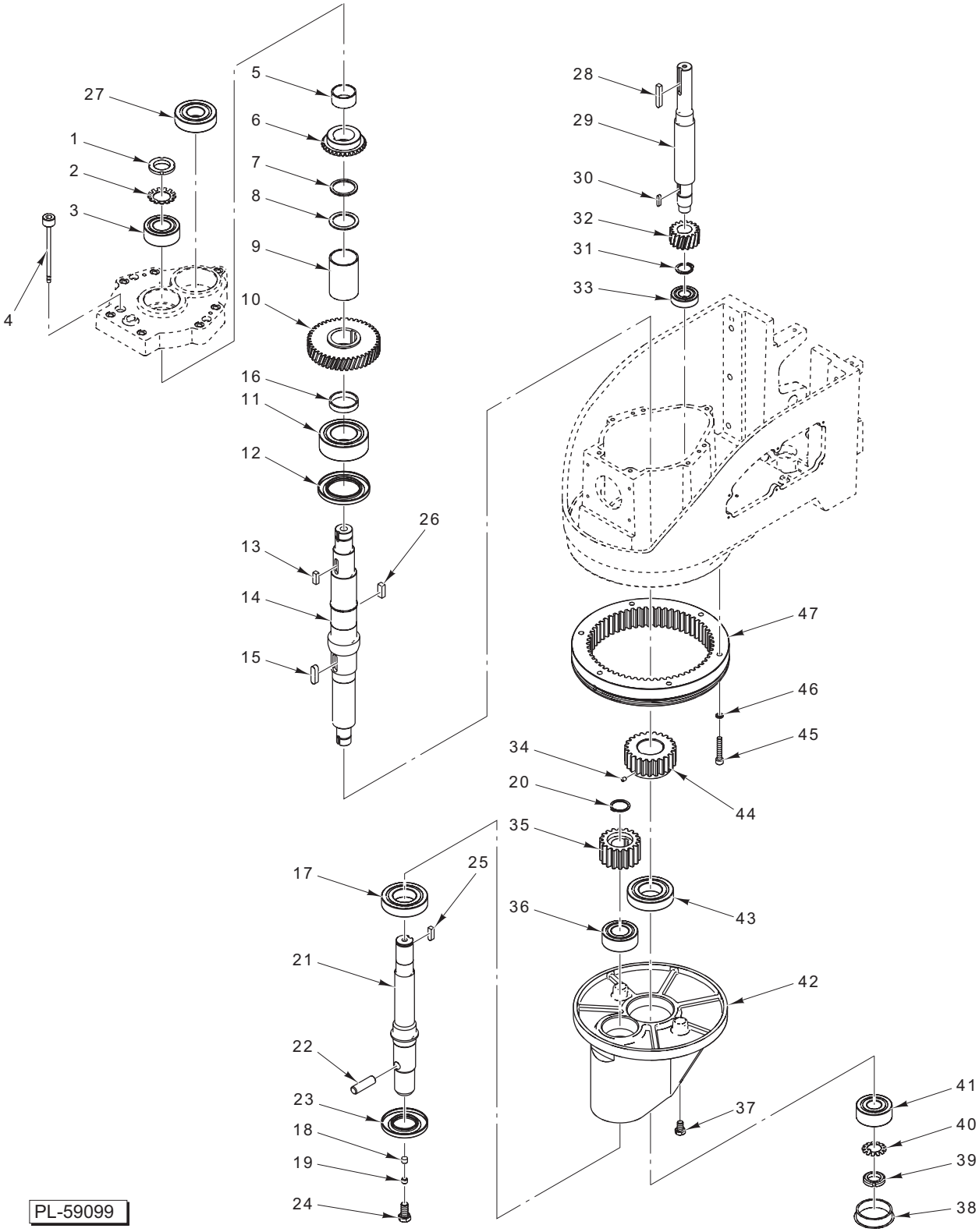
ILLUS. PL-59097	PART NO.	NAME OF PART	AMT.
1	SC-118-75	Cap Screw M10 x 1.50 x 20mm Hex Hd.	2
2	WL-019-98	Lockwasher M10 Helical	2
3	WS-031-63	Washer	2
4	00-917554	Pin – Bowl Mounting	2
5	00-917424-00002	Support – Bowl Mach.	1
6	NS-200-02	Nut M8 Hex	1
7	SC-130-81	Mach. Screw M8 x 1.25 x 35mm Hex Hd.	2
8	00-917609	Retainer – Bowl Lift Nut	1
9	WL-019-70	Lockwasher M8 Spring	4
10	SC-120-59	Cap Screw M8 x 1.25 x 20mm Hex Hd.	4
11	00-917664	Bushing – Slide Pin	1
12	00-937064	Pin	1
13	00-917665	Pin – Bowl Slide	1
14	00-917667	Spring –Slide Pin	1
15	00-917185	Magnet	1
16	00-917186	Holder – Magnet	1
17	00-917937	Pad – Isolator	1
18	00-917595-00001	Dowel	1
19	00-917438-00001	Slideway (LH)	1
20	00-917438-00002	Slideway (RH)	1
21	00-917595-00001	Dowel	1
22	PB-004-90	Cap	6
23	SC-130-70	Cap Screw M10 x 1.50 x 35mm Hex Socket Hd.	10
24	WL-020-14	Lockwasher M10 Helical	10
25	00-917986-00005	Seal – Side Cover	2
26	00-917986-00006	Seal – Side Cover	1
27	00-917638	Cover	1
28	SC-120-61	Mach. Screw M4 x 0.7 x 10mm Slotted Cheese Hd.	9
29	00-917986-00006	Seal – Side Cover	1
30	00-917473	Apron – Front	1
31	SC-121-53	Mach. Screw M6 x 1.0 x 10mm Slotted Truss Hd. (SST)	4



TRANSMISSION CASE AND MOTOR

TRANSMISSION CASE AND MOTOR

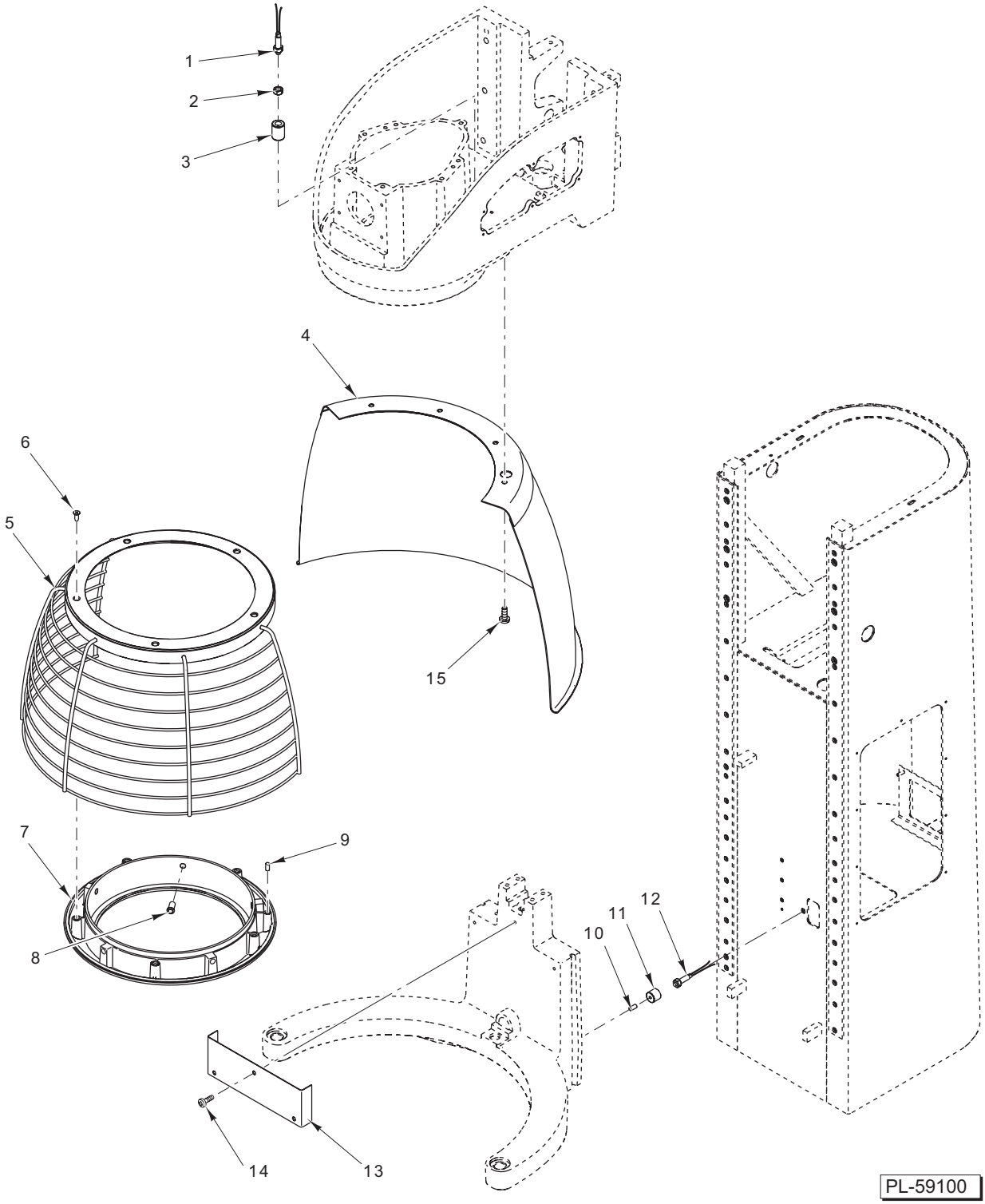
ILLUS. PL-59098	PART NO.	NAME OF PART	AMT.
1	00-873921	Belt	1
2	SC-117-33	Set Screw M8 x 1.25 x 12mm Hex Hdls., Cup Pt.	2
3	SC-121-57	Cap Screw M8 x 1.25 x 10mm Hex Socket Hd.	1
4	00-874345-00006	Washer – Special (0.134)	1
5	00-917521	Sheave – Driven	1
6	00-917595-00002	Dowel	2
7	SC-120-59	Cap Screw M8 x 1.25 x 20mm Hex Hd.	4
8	WL-019-70	Lockwasher M8 Helical	4
9	WS-030-66	Washer (SST)	4
10	00-012430-00163	Key	1
11	00-917676	Motor (3 Hp)	1
12	SC-123-17	Cap Screw M10 x 1.50 x 30mm Hex Hd.	4
13	00-917471	Plate – Motor Mounting	1
14	WS-031-64	Washer	4
15	WL-019-89	Lockwasher M10 Helical (SST)	4
16	NS-047-52	Nut M10 x 1.5 Hex	4
17	SC-041-42	Cap Screw $^{1}/_{2}$-20 x 1 Hex Hd. (SST)	1
18	WS-021-21	Washer	1
19	00-917420-00002	Cover – Transmission	1
20	WL-020-13	Lockwasher M8 Helical	7
21	SC-117-17	Cap Screw M8 x 1.25 x 45mm Hex Socket Hd.	7
22	SC-117-33	Set Screw M8 x 1.25 x 12mm Hex Hdls., Cup Pt.	1
23	00-917520	Sheave – Driven	1
24	00-874345-00004	Washer – Special (0.063)	1
25	00-874345-00003	Washer – Special (0.134)	1
26	SC-128-16	Mach. Screw M6 x 1 x 12mm Phil. Pan Hd.	1



TRANSMISSION

TRANSMISSION

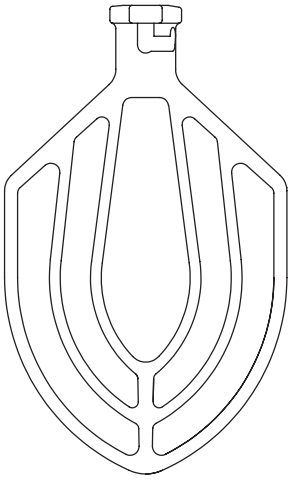
ILLUS. PL-59099	PART NO.	NAME OF PART	AMT.
1	NS-049-23	Lock Nut M30 x 1.5	1
2	WL-020-18	Lockwasher 30mm x 49mm	1
3	BB-021-35	Bearing – Ball	1
4	00-917875	Dipstick	1
5	00-917508-00002	Spacer – Tubing Top	1
6	00-917507	Gear – Attachment Hub Bevel	1
7	00-874384	Spacer – Gear	1
8	00-874283-00005	Shim – Gear	1
9	00-917508-00001	Spacer – Tubing Middle	1
10	00-917506	Gear – Planetary Shaft	1
11	BB-009-30	Bearing – Ball	1
12	00-873939	Seal	1
13	00-917496-00015	Key – Metric	1
14	00-917423	Shaft – Planetary	1
15	00-917496-00008	Key – Metric	1
16	00-917508-00003	Spacer – Lower Tubing	1
17	BB-007-01	Bearing – Ball	1
18	SC-130-74	Set Screw M10 x 1.50 x 12mm Hex Hdls. Cone Pt.	1
19	SC-130-72	Set Screw M10 x 1.50 x 8mm Hex Hdls. Flat Pt.	1
20	RR-012-41	Ring – Retaining	1
21	00-917422	Shaft – Beater	1
22	00-917613	Pin – Agitator Shaft	1
23	00-292288	Seal	1
24	SC-130-76	Cap Screw M12 x 1.75 x 25mm Hex Hd. Hex Pt.	1
25	00-917496-00007	Key – Metric	1
26	00-917496-00010	Key – Metric	1
27	BB-006-36	Bearing – Ball	1
28	00-917496-00016	Key – Metric	1
29	00-917517	Shaft – Input	1
30	00-917496-00013	Key – Metric	1
31	RR-009-07	Ring – Retaining	1
32	00-917516	Pinion – Input Shaft	1
33	BB-007-14	Bearing – Ball	1
34	SC-117-36	Set Screw M6 x 1 x 8mm Hex Hdls. Cup Pt.	1
35	00-917501	Pinion – Planetary	1
36	BB-021-35	Bearing – Ball	1
37	SC-131-16	Cap Screw M10 x 1.50 x 12mm Hex Hd. (SST)	2
38	00-874921	Cover	1
39	NS-049-22	Lock Nut – Bearing M25 x 1.50	1
40	WL-020-17	Lockwasher – Bearing 25mm x 42mm	1
41	BB-021-52	Bearing – Ball	1
42	00-917413-00002	Planetary	1
43	BB-007-01	Bearing – Ball	1
44	00-917503	Gear – Sun	1
45	SC-117-17	Cap Screw M8 x 1.25 x 45mm Hex Socket Hd.	6
46	WL-020-13	Lockwasher M8 Helical	6
47	00-917493	Gear – Internal	1



BOWL GUARD AND HEIGHT SENSOR

BOWL GUARD AND HEIGHT SENSOR

ILLUS. PL-59100	PART NO.	NAME OF PART	AMT.
1	00-916902-00003	Switch – Reed	1
2	00-917632	Nut – Reed Holder	1
3	00-917631	Holder – Reed Switch	1
4	00-917727	Guard – Rear Splash	1
5	00-917555	Cage Assy. (Incls. Items 6 thru 9)	1
6	SD-039-48	Self-Tapping Screw M6.3 x 1.8 x 16mm Phil. Flat Hd.	5
7	00-917414	Ring – Drip	1
8	00-917566	Plunger – Ball	5
9	00-917185	Magnet	1
10	00-917185	Magnet	1
11	00-917186	Holder – Magnet	1
12	00-916902-00003	Switch – Reed	1
13	00-937068	Apron – Inner	1
14	SC-121-53	Mach. Screw M6 x 1.0 x 10mm Slotted Truss Hd. (SST)	3
15	SC-121-53	Mach. Screw M6 x 1.0 x 10mm Slotted Truss Hd. (SST)	4



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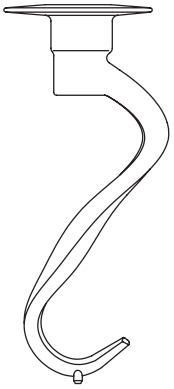

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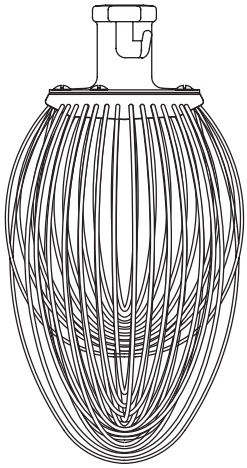

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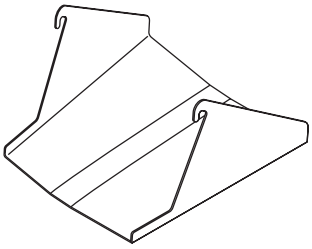

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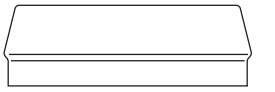

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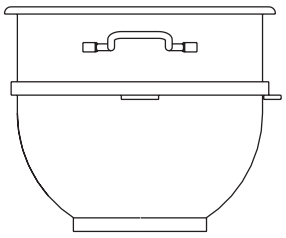

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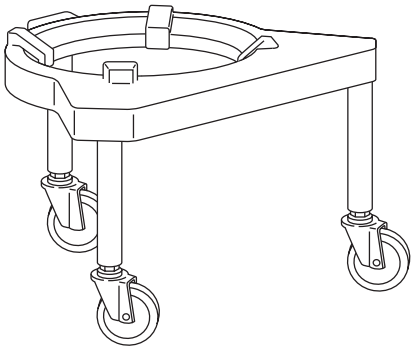

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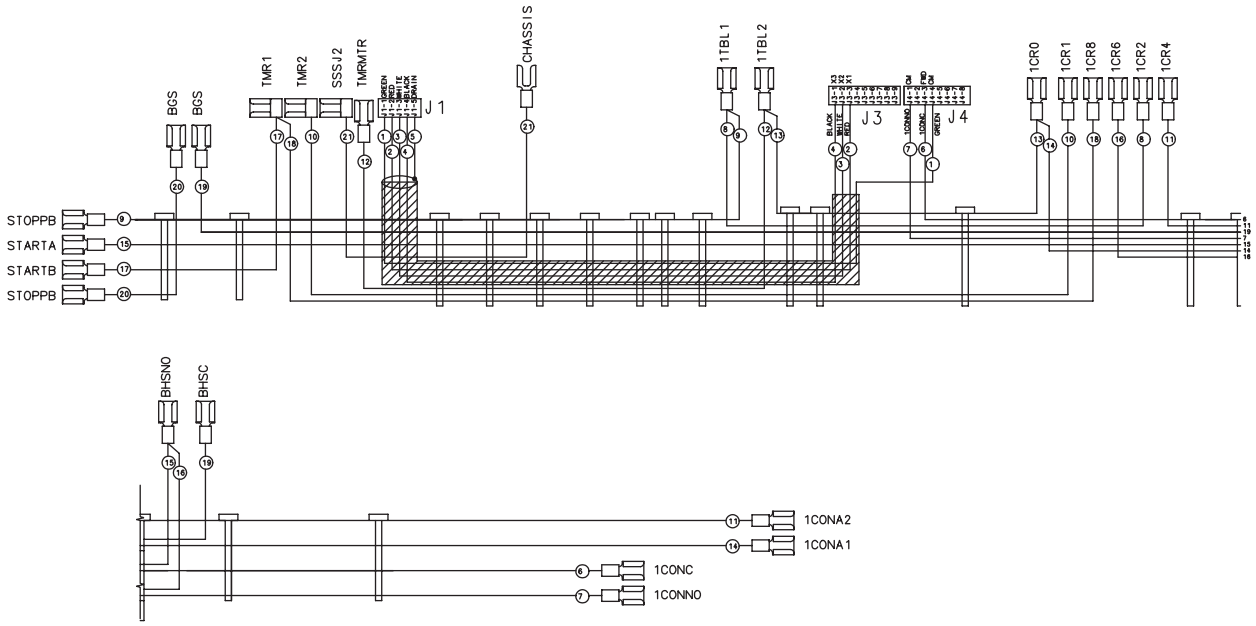
PL-59101

AGITATORS AND ACCESSORIES

AGITATORS AND ACCESSORIES

ILLUS. PL-59101	PART NO.	NAME OF PART	AMT.
1	00-937106	Flat Beater (60 Qt.) (Packaged)	1
2	00-937112	Flat Beater (30 Qt.) (Packaged)	1
3	00-937108	Dough Hook (60 Qt.) (Packaged)	1
4	00-937117	Dough Hook (30 Qt.) (Packaged)	1
5	00-937107	Wire Whip (60 Qt.) (Packaged)	1
6	00-937114	Wire Whip (30 Qt.) (Packaged)	1
7	00-937109	Ingredient Chute (60 Qt.) (Packaged)	1
8	00-937105	Bowl Assy (60 Qt.) (Packaged)	1
9	00-937110	Bowl Assy (30 Qt.) (Packaged)	1
10	00-937126	Splash Cover (60 Qt.) (Packaged)	1
11	00-917945	Splash Cover (30 Qt.) (Packaged)	1
12	00-937104	Truck – Bowl	1
	00-937095	Bowl Reduction Kit (30 Qt.) (Incls. 30 Qt. Bowl, Beater, Whip, & Dough Hook)	1



00-917918 Harness - Main

PL-59130

WIRING HARNESS